



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/846,907 | 05/01/2001 | Shinya Kimura | 72012/55861 | 4637 |

21874 7590 10/04/2004
EDWARDS & ANGELL, LLP
P.O. BOX 55874
BOSTON, MA 02205

EXAMINER

HA, LEYNNA A

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2135

DATE MAILED: 10/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/846,907

Applicant(s)

KIMURA, SHINYA

Examiner

LEYNNA T. HA

Art Unit

2135

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 25, 1, 8
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

1. Claims 1-5 have been examined and are rejected under 35 U.S.C. 102(e).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1-5 are rejected under 35 U.S.C. 102(e) as being anticipated by Hanson, et al. (US 6,546,425).**

AS PER CLAIM 1:

Hanson, et al. discloses an access point device having an interface function with a network constructed of wired transmission channels and establishing datalink connection with a plurality of mobile stations within the area of a radio LAN, the device comprising:

notification means for notifying a network administrator **[COL.6, lines 9-15]** administering said LAN of the presence of an authentication-requesting mobile station **[COL.7, lines 32-35 and 53-57]** so as to gain the final authorization of an authentication procedure when a mobile station in the area

perform said authentication procedure before the initiation of an association procedure; and **[COL.10, lines 32-34 and COL.14, lines 28-65]**

input means from which said network administrator notified inputs an authentication-authorizing or -rejecting instruction with respect to said authentication-requesting mobile station. **[COL.16, lines 45-48]**

AS PER CLAIM 2:

Hanson discloses an authentication method for an access point device having an interface function with a network constructed of wired transmission channels and establishing datalink connection with a plurality of mobile stations within the area of a radio LAN, the method initiating an association procedure after authentication is completed of said mobile stations by performing:

a first step in which said mobile stations and said access point device initiate a predetermined authentication procedure in response to an authentication request from said mobile stations to said access point device; **[COL.12, lines 15-19 and COL.13, lines 10-35]**

a second step in which said access point device, in authorizing the authentication of said mobile stations by said authentication procedure, notifies a network administrator administering said LAN of the final authorization of said authentication procedure and starts an authentication wait timer before said access point device returns an authentication response message, or the final message in said authentication procedure, to said mobile

stations, said authentication wait timer being set at a maximum wait time up to the final authentication; **[COL.13, lines 48-53 and COL.15, lines 60-66]**

a third step in which said network administrator provides a final authentication-authorizing or -rejecting instruction to said access point device before the timeout of said authentication wait timer; **[COL.22, line 62 thru COL.23, line 4 and COL.26, lines 45-59]**

a fourth step in which said access point device, when said network administrator provides a final authentication-authorizing instruction before the timeout of said authentication wait timer, returns said authentication response message to said mobile stations as authentication authorization; and **[COL.28, lines 34-39]**

a fifth step in which said mobile stations receiving said authentication response message start said association procedure. **[COL.15, lines 3-6 and 50-53]**

AS PER CLAIM 3:

Hanson discloses an authentication method for an access point device according to claim 2, wherein in the third step, said authentication response message is returned to said mobile stations as authentication rejection when said network administrator provides the authentication-rejecting instruction to said access point device. **[COL.16, lines 43-48 and COL.26, lines 45-59]**

Art Unit: 2135

AS PER CLAIM 4:

Hanson discloses the authentication method for an access point device according to claim 2, wherein in the third step, said authentication response message is returned to said mobile stations as authentication rejection when said authentication wait timer goes time-out before said network administrator provides the authentication-rejecting or -authorizing instruction to said access point device. **[COL.22, line 62 thru COL.23, line 4 and COL.26, lines 45-59]**

AS PER CLAIM 5:

Hanson discloses the authentication method for an access point device according to any one of claims 2-4, wherein said authentication procedure is the Shared Key Authentication procedure defined in IEEE 802.11. **[COL.7, lines 32-46 and COL.38, line 67]**

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEYNNA T. HA whose telephone

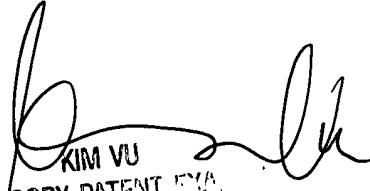
number is (703) 305-3853. The examiner can normally be reached on Monday - Thursday (7:00 - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (703) 305-4393. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*****TC 2100 will be moved to Carlyle in October 2004. At this time, any inquiry or communications should be directed to the examiner, LEYNNA HA, whose new telephone number is (571) 272-3851 and the new telephone number for TC 2100 receptionist is 571-272-2100.**

LHa


KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100